

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/096,500**

*INPUT SET: S26845.raw*

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## **SEQUENCE LISTING**

1 (1) General Information:  
2  
3 (i) APPLICANT: Ashkenazi, Avi J.  
4 Baker, Kevin  
5 Chuntharapai, Anan  
6 Gurney, Austin  
7 Kim, Kyung Jin  
8 Wood, William  
9  
10  
11 (ii) TITLE OF INVENTION: Apo-2DcR  
12  
13 (iii) NUMBER OF SEQUENCES: 13  
14  
15 (iv) CORRESPONDENCE ADDRESS:  
16 (A) ADDRESSEE: Genentech, Inc.  
17 (B) STREET: 1 DNA Way  
18 (C) CITY: South San Francisco  
19 (D) STATE: California  
20 (E) COUNTRY: USA  
21 (F) ZIP: 94080  
22  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: WinPatin (Genentech)  
28  
29 (vi) CURRENT APPLICATION DATA:  
30 (A) APPLICATION NUMBER:  
31 (B) FILING DATE: 12-Jun-1998  
32 (C) CLASSIFICATION:  
33  
34 (vii) PRIOR APPLICATION DATA:  
35 (A) APPLICATION NUMBER: 60/049911  
36 (B) FILING DATE: 18-JUN-1997  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: Marschang, Diane L.  
40 (B) REGISTRATION NUMBER: 35,600  
41 (C) REFERENCE/DOCKET NUMBER: P1110P1  
42  
43 (ix) TELECOMMUNICATION INFORMATION:  
44 (A) TELEPHONE: 650/225-5416  
45 (B) TELEFAX: 650/952-9881

**ENTERED**

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/096,500DATE: 06/22/98  
TIME: 11:01:55

INPUT SET: S26845.raw

47 (2) INFORMATION FOR SEQ ID NO:1:

48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 259 amino acids  
51 (B) TYPE: Amino Acid  
52 (D) TOPOLOGY: Linear

53

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

55

56 Met Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile Val  
57 1 5 10 15

58

59 Ala Val Leu Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg  
60 20 25 30

61

62 Gln Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln Arg  
63 35 40 45

64

65 His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser His Arg Ser  
66 50 55 60

67

68 Glu His Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr  
69 65 70 75

70

71 Thr Asn Ala Ser Asn Asn Glu Pro Ser Cys Phe Pro Cys Thr Val  
72 80 85 90

73

74 Cys Lys Ser Asp Gln Lys His Lys Ser Ser Cys Thr Met Thr Arg  
75 95 100 105

76

77 Asp Thr Val Cys Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn  
78 110 115 120

79

80 Ser Pro Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu  
81 125 130 135

82

83 Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln Cys Val  
84 140 145 150

85

86 Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr Pro Ala Ala Glu  
87 155 160 165

88

89 Glu Thr Met Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu  
90 170 175 180

91

92 Glu Thr Met Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu  
93 185 190 195

94

95 Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu  
96 200 205 210

97

98 Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu  
99 215 220 225

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/096,500DATE: 06/22/98  
TIME: 11:01:57

INPUT SET: S26845.raw

100  
101 Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Ser Ser His Tyr  
102 230 235 240  
103  
104 Leu Ser Cys Thr Ile Val Gly Ile Ile Val Leu Ile Val Leu Leu  
105 245 250 255  
106  
107 Ile Val Phe Val  
108 259  
109  
110 (2) INFORMATION FOR SEQ ID NO:2:  
111  
112 (i) SEQUENCE CHARACTERISTICS:  
113 (A) LENGTH: 1180 base pairs  
114 (B) TYPE: Nucleic Acid  
115 (C) STRANDEDNESS: Single  
116 (D) TOPOLOGY: Linear  
117  
118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
119  
120  
121 GCTGTGGAA CCTCTCCACG CGCACGAAC CAGCCAACGA TTTCTGATAG 50  
122  
123 ATTTTTGGGA GTTTGACCAG AGATGCAAGG GGTGAAGGAG CGCTTCCTAC 100  
124  
125 CGTTAGGGAA CTCTGGGAC AGAGCGCCCC GGCCGCCTGA TGGCCGAGGC 150  
126  
127 AGGGTGCAC CCAGGACCCA GGACGGCGTC GGGAACCAT A CC ATG 195  
128 Met  
129 1  
130  
131 GCC CGG ATC CCC AAG ACC CTA AAG TTC GTC GTC GTC ATC 234  
132 Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile  
133 5 10  
134  
135 GTC GCG GTC CTG CTG CCA GTC CTA GCT TAC TCT GCC ACC 273  
136 Val Ala Val Leu Leu Pro Val Leu Ala Tyr Ser Ala Thr  
137 15 20 25  
138  
139 ACT GCC CGG CAG GAG GAA GTT CCC CAG CAG ACA GTG GCC 312  
140 Thr Ala Arg Gln Glu Glu Val Pro Gln Gln Thr Val Ala  
141 30 35 40  
142  
143 CCA CAG CAA CAG AGG CAC AGC TTC AAG GGG GAG GAG TGT 351  
144 Pro Gln Gln Gln Arg His Ser Phe Lys Gly Glu Glu Cys  
145 45 50  
146  
147 CCA GCA GGA TCT CAT AGA TCA GAA CAT ACT GGA GCC TGT 390  
148 Pro Ala Gly Ser His Arg Ser Glu His Thr Gly Ala Cys  
149 55 60 65  
150  
151 AAC CCG TGC ACA GAG GGT GTG GAT TAC ACC AAC GCT TCC 429  
152 Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/096,500DATE: 06/22/98  
TIME: 11:01:58

INPUT SET: S26845.raw

153                   70                   75  
154  
155 AAC AAT GAA CCT TCT TGC TTC CCA TGT ACA GTT TGT AAA 468  
156 Asn Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys  
157       80               85               90  
158  
159 TCA GAT CAA AAA CAT AAA AGT TCC TGC ACC ATG ACC AGA 507  
160 Ser Asp Gln Lys His Lys Ser Ser Cys Thr Met Thr Arg  
161       95               100              105  
162  
163 GAC ACA GTG TGT CAG TGT AAA GAA GGC ACC TTC CGG AAT 546  
164 Asp Thr Val Cys Gln Cys Lys Glu Gly Thr Phe Arg Asn  
165       110              115  
166  
167 GAA AAC TCC CCA GAG ATG TGC CGG AAG TGT AGC AGG TGC 585  
168 Glu Asn Ser Pro Glu Met Cys Arg Lys Cys Ser Arg Cys  
169       120              125              130  
170  
171 CCT AGT GGG GAA GTC CAA GTC AGT AAT TGT ACG TCC TGG 624  
172 Pro Ser Gly Glu Val Gln Val Ser Asn Cys Thr Ser Trp  
173       135              140  
174  
175 GAT GAT ATC CAG TGT GTT GAA GAA TTT GGT GCC AAT GCC 663  
176 Asp Asp Ile Gln Cys Val Glu Glu Phe Gly Ala Asn Ala  
177       145              150              155  
178  
179 ACT GTG GAA ACC CCA GCT GCT GAA GAG ACA ATG AAC ACC 702  
180 Thr Val Glu Thr Pro Ala Ala Glu Glu Thr Met Asn Thr  
181       160              165              170  
182  
183 AGC CCG GGG ACT CCT GCC CCA GCT GCT GAA GAG ACA ATG 741  
184 Ser Pro Gly Thr Pro Ala Pro Ala Glu Glu Thr Met  
185       175              180  
186  
187 AAC ACC AGC CCA GGG ACT CCT GCC CCA GCT GCT GAA GAG 780  
188 Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Glu Glu  
189       185              190              195  
190  
191 ACA ATG ACC ACC AGC CCG GGG ACT CCT GCC CCA GCT GCT 819  
192 Thr Met Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala  
193       200              205  
194  
195 GAA GAG ACA ATG ACC ACC AGC CCG GGG ACT CCT GCC CCA 858  
196 Glu Glu Thr Met Thr Ser Pro Gly Thr Pro Ala Pro  
197       210              215              220  
198  
199 GCT GCT GAA GAG ACA ATG ACC ACC AGC CCG GGG ACT CCT 897  
200 Ala Ala Glu Glu Thr Met Thr Ser Pro Gly Thr Pro  
201       225              230              235  
202  
203 GCC TCT TCT CAT TAC CTC TCA TGC ACC ATC GTA GGG ATC 936  
204 Ala Ser Ser His Tyr Leu Ser Cys Thr Ile Val Gly Ile  
205       240              245

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/096,500DATE: 06/22/98  
TIME: 11:02:01

INPUT SET: S26845.raw

206  
207 ATA GTT CTA ATT GTG CTT CTG ATT GTG TTT GTT T 970  
208 Ile Val Leu Ile Val Leu Leu Ile Val Phe Val  
209 250 255 259  
210  
211 GAAAGACTTC ACTGTGGAAG AAATTCCCTTC CTTACCTGAA AGGTTCAGGT 1020  
212  
213 AGGCCTGGC TGAGGGCGGG GGGCGCTGGA CACTCTCTGC CCTGCCTCCC 1070  
214  
215 TCTGCTGTGT TCCCACAGAC AGAAACGCCT GCCCCTGCC CAAAAAAA 1120  
216  
217 AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA 1170  
218  
219 AAAAAAAA 1180  
220  
221 (2) INFORMATION FOR SEQ ID NO:3:  
222  
223 (i) SEQUENCE CHARACTERISTICS:  
224 (A) LENGTH: 299 amino acids  
225 (B) TYPE: Amino Acid  
226 (D) TOPOLOGY: Linear  
227  
228 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
229  
230 Met Gln Gly Val Lys Glu Arg Phe Leu Pro Leu Gly Asn Ser Gly  
231 -40 -35 -30  
232  
233 Asp Arg Ala Pro Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro  
234 -25 -20 -15  
235  
236 Arg Thr Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro  
237 -10 -5 1 5  
238  
239 Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu Leu Pro  
240 10 15 20  
241  
242 Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg Gln Glu Glu Val Pro  
243 25 30 35  
244  
245 Gln Gln Thr Val Ala Pro Gln Gln Arg His Ser Phe Lys Gly  
246 40 45 50  
247  
248 Glu Glu Cys Pro Ala Gly Ser His Arg Ser Glu His Thr Gly Ala  
249 55 60 65  
250  
251 Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn  
252 70 75 80  
253  
254 Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln  
255 85 90 95  
256  
257 Lys His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys Gln  
258 100 105 110

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION **US/09/096,500**

DATE: 06/22/98  
TIME: 11:02:02

***INPUT SET: S26845.raw***

Line

Error

Original Text